

02/28/00
jc772 U.S. PTO

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PTO/SB/05 (4/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small>	Attorney Docket No.	MSI 100
	First Inventor or Application Identifier	Frank B. Dean
	Title	METHOD FOR REDUCING ARTIFACTS IN NUCLEIC ACID AMPLIFICATION
	Express Mail Label No.	EL 320 550 963 US

APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small>	5. <input type="checkbox"/> Microfiche Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Specification [Total Pages 36] <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none">- Descriptive title of the Invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to Microfiche Appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure	6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none">a. <input type="checkbox"/> Computer Readable Copyb. <input type="checkbox"/> Paper Copy (identical to computer copy)c. <input type="checkbox"/> Statement verifying identity of above copies
3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 7]	ACCOMPANYING APPLICATION PARTS 7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 8. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 9. <input type="checkbox"/> English Translation Document (if applicable) 10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 11. <input type="checkbox"/> Preliminary Amendment 12. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 13. <input type="checkbox"/> * Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired <small>(PTO/SB/09-12)</small> 14. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 15. <input type="checkbox"/> Other: _____
4. Oath or Declaration [Total Pages 3] <ul style="list-style-type: none">a. <input checked="" type="checkbox"/> Unexecutedb. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) <small>(for continuation/divisional with Box 16 completed)</small><ul style="list-style-type: none">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).	
* NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).	

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number or Bar Code Label _____ or <input type="checkbox"/> Correspondence address below					
<small>(Insert Customer No. or Attach bar code label here)</small>					
Name	Patea L. Pabst, Esq. Arnall Golden & Gregory, LLP				
Address	2800 One Atlantic Center 1201 West Peachtree Street				
City	Atlanta	State	GA	Zip Code	30309-3450
Country	United States	Telephone	(404) 873-8796	Fax	(404) 873-8797

Name (Print/Type)	Robert A. Hodges	Registration No. (Attorney/Agent)	41,074
Signature		Date	02/25/00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$1,854.00)

Complete if Known

Application Number	Not Yet Assigned
Filing Date	February 25, 2000
First Named Inventor	Frank B. Dean
Examiner Name	Not Yet Assigned
Group / Art Unit	Not Yet Assigned
Attorney Docket No.	MSI 100

METHOD OF PAYMENT (check one)

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 01-2507
 Deposit Account Name Arnall Golden & Gregory, LLP

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 690	201 345	Utility filing fee	690.00
106 310	206 155	Design filing fee	
107 480	207 240	Plant filing fee	
108 690	208 345	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$690.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
76	-20 = 56	18.00	1,008
5	-3 = 2	78.00	156
			0.00

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 78	202 39	Independent claims in excess of 3
104 260	204 130	Multiple dependent claim, if not paid
109 78	209 39	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$1,164.00)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 380	216 190	Extension for reply within second month	
117 870	217 435	Extension for reply within third month	
118 1,360	218 680	Extension for reply within fourth month	
128 1,850	228 925	Extension for reply within fifth month	
119 300	219 150	Notice of Appeal	
120 300	220 150	Filing a brief in support of an appeal	
121 260	221 130	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,210	241 605	Petition to revive - unintentional	
142 1,210	242 605	Utility issue fee (or reissue)	
143 430	243 215	Design issue fee	
144 580	244 290	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 690	246 345	Filing a submission after final rejection (37 CFR 1.129(a))	
149 690	249 345	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

**Represents the difference between the fee for a ☐ month extension of time and a ☐ month extension of time.

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$0.00)

SUBMITTED BY

Typed or Printed Name Robert A. HodgesSignature [Signature]Date 2/25/00

Complete (if applicable)

Reg. Number 41,074Deposit Account User ID 01-2507

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Frank B. Dean and Fawad Faruqi

Serial No: Not Yet Assigned

Express Mail Label No.
EL 320 550 963 US

Filed: February 25, 2000

Date of Deposit
February 25, 2000

For: *METHOD FOR REDUCING ARTIFACTS IN NUCLEIC
ACID AMPLIFICATION*

Assistant Commissioner for Patents
Washington, D.C. 20231

EXPRESS MAIL TRANSMITTAL LETTER
FOR PATENT APPLICATION AND CERTIFICATE OF MAILING

Sir:

Pursuant to 35 U.S.C. § 21(a) as amended by Public Law 97-247 and 37 C.F.R. § 1.10, Frank B. Dean and Fawad Faruqi enclose for filing the attached patent application which is entitled "Method for Reducing Artifacts in Nucleic Acid Amplification". The application includes 1 page of Abstract, 25 pages of Specification, 10 pages of Claims, 7 sheets of Drawings, and an Unexecuted Declaration. A Verified Statement Claiming Small Entity Status will be submitted shortly. A check in the amount of \$927.00 to cover one half of the filing fee is enclosed.

The Commissioner is hereby authorized to charge our Deposit Order Account No. 01-2507 in the amount of \$927.00, which represents the difference between the filing fee for a large entity and a small entity.

Title: METHOD FOR REDUCING ARTIFACTS IN NUCLEIC
ACID AMPLIFICATION
By: Frank B. Dean and Fawad Faruqi
Filed: February 25, 2000
Express Mail Transmittal Letter for Patent Application
Express Mail No.: EL 320 550 963 US

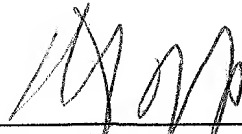
This application is being filed on February 25, 2000 by mailing the application to the Assistant Commissioner for Patents, Washington, D.C. 20231 via the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 C.F.R. § 1.10. The Express Mail Label No. EL 320 550 963 US appears in the heading of this paper which is attached to the application papers pursuant to 37 C.F.R. § 1.10(b).

The Commissioner is hereby authorized to charge any fees that may be required, or credit any overpayment to Deposit Order Account No. 01-2507. To facilitate this process, applicant has enclosed a duplicate of this letter.

All correspondence concerning this application should be mailed to:

Patrea L. Pabst, Esq.
ARNALL GOLDEN & GREGORY, LLP
2800 One Atlantic Center
1201 West Peachtree Street
Atlanta, GA 30309-3450

Respectfully submitted,



Robert A. Hodges
Reg. No. 41,074

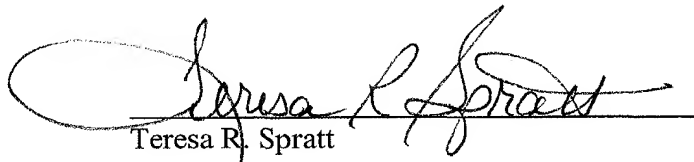
Date: February 25, 2000
ARNALL GOLDEN & GREGORY, LLP
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Atlanta, GA 30309-3450
(404) 873-8796
(404) 873-8797 (fax)

MSI 100
15122/2

Title: METHOD FOR REDUCING ARTIFACTS IN NUCLEIC
ACID AMPLIFICATION
By: Frank B. Dean and Fawad Faruqi
Filed: February 25, 2000
Express Mail Transmittal Letter for Patent Application
Express Mail No.: EL 320 550 963 US

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

I hereby certify that this Express Mail Transmittal Letter for Patent Application and any documents referred to as attached therein are being deposited with the United States Postal Service on this date, February 25, 2000 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR § 1.10, Mailing Label Number EL 320 550 963 US, addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.


Teresa R. Spratt

Date: February 25, 2000

PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

03/08/2000 MGORDON 00000026 012507 09514113

01 FC:101		690.00 OP
02 FC:102		156.00 OP
03 FC:103	927.00 CH	81.00 OP

Adjustment date: 05/11/2000 JWASHING
03/08/2000 MGORDON 00000026 012507 09514113

01 FC:101		-690.00 OP
02 FC:102		-156.00 OP
03 FC:103	927.00 CR	-81.00 OP

05/11/2000 JWASHING 00000048 09514113

01 FC:201		345.00 OP
02 FC:202		78.00 OP
03 FC:203		504.00 OP